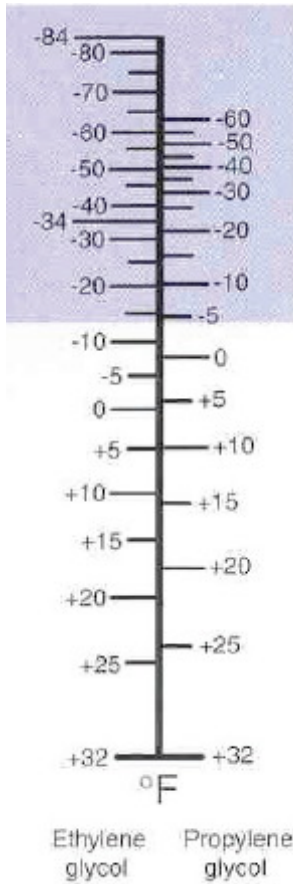


Automotive Engines 10th

Quiz 12A

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1. A late model vehicle's coolant is being tested. The refractometer reading shows a freezing point of _____. 1. _____



- A) -14°F
B) -5°F
C) -34°F
D) None of these
2. Technician A says that OAT type coolant should be changed every 2 years. Technician B says that IAT type coolant should be changed every 2 years. Which technician is correct? 2. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
3. The pH of coolant is tested using a _____. 3. _____
A) test strip
B) hydrometer
C) refractometer
D) voltmeter

4. A normal reading when testing coolant for galvanic activity is _____. 4. _____
A) less than 200 mV
B) at least .5 V
C) more than .5 V
D) 5 V or more
5. A normal reading when testing for electrolysis in the coolant is _____. 5. _____
A) less than 300 mV
B) at least .5 V
C) more than .5 V
D) 5 V or more
6. Adding a chemical to make ethylene glycol bitter to the taste is called _____. 6. _____
A) passivation
B) embittered
C) refractometer
D) electrolysis
7. Technician A says used coolant should never be recycled. Technician B says coolant types that include DEX-COOL are ethylene glycol-based. Which technician is correct? 7. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
8. A voltmeter was used to check the coolant and a reading of 0.2 volt with the engine off was measured. A reading of 0.8 volt was measured with the engine running and all electrical accessories turned on. Technician A says that the coolant should be flushed to solve the galvanic activity. Technician B says that the ground wires and connections should be inspected and repaired to solve the electrolysis problem. Which technician is correct? 8. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B
9. Coolant is water and _____. 9. _____
A) methanol
B) glycerin
C) kerosene
D) ethylene glycol
10. DEX-COOL is what type of coolant? 10. _____
A) IAT
B) OAT
C) HOAT
D) PHOAT

Answer Key

Testname: ENGINES 10 12A

1. A
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2. B
Page Ref: 146
3. A
Page Ref: 145
4. A
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5. A
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6. B
Page Ref: 142
7. B
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8. B
Page Ref: 145
9. D
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10. B
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